

Troy Boiler Works

invites you to join us for our current 2023 schedule



Boiler Training Course



This is a two-day boiler training course for anyone interested in learning about steam fundamentals, boilers, burners, combustion, boiler controls, steam system auxiliaries, and more.

Here is our current 2023 class schedule!

For more details and information on how to register for our courses, please click on the links below, call us at 518-274-2650, or email us at training@troyboilerworks.com.

Dates	Location	Click For More Info
January 10 & 11	Fishkill	Fishkill Class Registration
January 24 & 25	Troy	Troy Class Registration (January)
March 7 & 8	Utica	Utica Class Registration
April 18 & 19	Rochester	Rochester Class Registration
May 9 & 10	Ithaca	Ithaca Class Registration
June 6 & 7	Auburn	Auburn Class Registration
July 17 & 18	Buffalo	Buffalo Class Registration
August 15 & 16	Troy	Troy Class Registration (August)
Sept 12 & 13	Plattsburgh	Plattsburgh Class Registration

If you have an interest in scheduling a class for training operators at your facility, please call or email us. In addition to the regular course locations listed above, we can also conduct on-site training at your facility.



Learning more about the principles of flash steam and boiler blowdown heat recovery at our first class in August of 2018.



Learning about steam hammer at our Walkkill class in July 2020



Our 2020 Troy Class takes a break



Wrapping up the summer schedule in Plattsburgh, September 2020



Troy Boiler Works, Inc.
2800 7th Avenue
Troy, NY 12180
518-274-2650

About Our Course

We started this program in 2018 with the goal of providing high-quality training for boiler operators, supervisors, and maintenance personnel. The participants in our program have included staff from SUNY campuses, NYS DOCCS facilities, school districts, hospitals, paper mills, and manufacturing facilities throughout New York State. We are now entering our sixth year of this highly successful program with a total enrollment of over four hundred people who have attended at our multiple locations throughout New York.

Why should you take this course? We looked at the 2020 training class evaluations from over 80 attendees participating that year. Based on the feedback received, 100% of those respondents either agreed or strongly agreed that this training will be beneficial to them in the performance of their jobs.

Some quotes from our students –

- ❖ "I highly recommend other boiler operators to take this course."
- ❖ "The instructors were able to keep the course interesting and convey useful information."
- ❖ "Broad range of interesting topics covered. Easily understandable for all."
- ❖ "Loved this course."
- ❖ "Balanced, good depth on all aspects."
- ❖ "Excellent instructors, venue, and course content."
- ❖ "Very organized and good overview of all aspects of the boiler system as a whole."
- ❖ "Course was very thorough. Concepts and systems were explained well."
- ❖ "Great Course!"
- ❖ "I really enjoyed the training. Thank You Troy Boiler!!"

Download our Training Brochure

Course Content Description

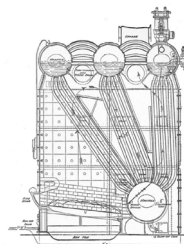
- Fundamentals of Steam
- Fundamentals of Combustion
- Boiler Types & Construction
- Burner Types & Construction
- High Temp Hot Water Generators
- Boiler Operating Procedures
- Boiler Safety Systems
- Deaerator & Feedwater Systems
- Water Treatment Principles
- Burner Systems & Controls
- ASME & NFPA Boiler Codes



Controls



Operations



Boiler Design & Construction



Boiler Safety & Codes

Temp. (°F)	Temp. (°C)	Pressure (psia)	Pressure (bar)	Specific Volume (ft ³ /lb)	Specific Volume (m ³ /kg)	Enthalpy (Btu/lb)	Enthalpy (kJ/kg)	Entropy (Btu/lb-R)	Entropy (kJ/kg-K)
212	100	14.7	1.013	26.8	1.673	1077.4	418.8	1.7748	7.3751
220	104.4	15.5	1.069	25.8	1.610	1080.8	420.0	1.7782	7.3800
230	109.9	16.5	1.136	24.8	1.547	1084.2	421.2	1.7816	7.3849
240	115.6	17.7	1.215	23.8	1.484	1087.6	422.4	1.7850	7.3898
250	121.5	19.1	1.306	22.8	1.421	1091.0	423.6	1.7884	7.3947
260	127.6	20.7	1.409	21.8	1.358	1094.4	424.8	1.7918	7.3996
270	133.9	22.5	1.524	20.8	1.295	1097.8	426.0	1.7952	7.4045
280	140.4	24.5	1.651	19.8	1.232	1101.2	427.2	1.7986	7.4094
290	147.1	26.7	1.790	18.8	1.169	1104.6	428.4	1.8020	7.4143
300	154.0	29.1	1.941	17.8	1.106	1108.0	429.6	1.8054	7.4192
310	161.1	31.7	2.104	16.8	1.043	1111.4	430.8	1.8088	7.4241
320	168.4	34.5	2.280	15.8	0.980	1114.8	432.0	1.8122	7.4290
330	175.9	37.5	2.468	14.8	0.917	1118.2	433.2	1.8156	7.4339
340	183.6	40.7	2.669	13.8	0.854	1121.6	434.4	1.8190	7.4388
350	191.5	44.1	2.883	12.8	0.791	1125.0	435.6	1.8224	7.4437
360	199.6	47.8	3.110	11.8	0.728	1128.4	436.8	1.8258	7.4486
370	207.9	51.7	3.350	10.8	0.665	1131.8	438.0	1.8292	7.4535
380	216.4	55.8	3.603	9.8	0.602	1135.2	439.2	1.8326	7.4584
390	225.1	60.1	3.870	8.8	0.539	1138.6	440.4	1.8360	7.4633
400	234.0	64.7	4.150	7.8	0.476	1142.0	441.6	1.8394	7.4682
410	243.1	69.6	4.444	6.8	0.413	1145.4	442.8	1.8428	7.4731
420	252.4	74.8	4.752	5.8	0.350	1148.8	444.0	1.8462	7.4780
430	261.9	80.3	5.074	4.8	0.287	1152.2	445.2	1.8496	7.4829
440	271.6	86.1	5.410	3.8	0.224	1155.6	446.4	1.8530	7.4878
450	281.5	92.2	5.760	2.8	0.161	1159.0	447.6	1.8564	7.4927
460	291.6	98.6	6.124	1.8	0.098	1162.4	448.8	1.8598	7.4976
470	301.9	105.3	6.502	0.8	0.035	1165.8	450.0	1.8632	7.5025
480	312.4	112.3	6.894	0.2	0.002	1169.2	451.2	1.8666	7.5074
490	323.1	119.6	7.300	0.0	0.000	1172.6	452.4	1.8700	7.5123
500	334.0	127.3	7.720	0.0	0.000	1176.0	453.6	1.8734	7.5172

Fundamentals of Steam

To learn more about Troy Boiler Works and our capabilities, visit our website at

www.troyboilerworks.com